Message

From: Vandenberg, John [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=DCAE2B98A04540FB8D099F9D4DEAD690-VANDENBERG, JOHN]
Sent: 11/30/2015 1:11:31 PM
To: Cote, Ila [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8451c70416dc4c899ae0873b153fd592-Cote, Ila]; Lee, Janice [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b5d72226848849279376f33f6d0b9845-Lee, Janice]; Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Hotchkiss, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=10f01ccc8611401bb34d16b71a87d3d5-Hotchkiss, Andrew]; Ross, Mary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=98359cd1f66f46ec91d327e99a3c6909-Ross, Mary]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]
Subject: FW: ORD/OSA Weekly Report November 30

Note Arsenic entry.

From: Blackburn, Elizabeth
Sent: Sunday, November 29, 2015 1:45 PM
To: ORD-Mgmt-Council <ORDMgmtCouncil@epa.gov>; ORD-IOAA-Front Office Support <ORDIOAASUPPORT@epa.gov>; ORD-Exec-Council-Directors <Execcouncildirectors@usepa.onmicrosoft.com>
Subject: Fwd: ORD/OSA Weekly Report November 30

Hello all

I hope you had a wonderful holiday. Please see Tom's weekly note to the Administrator below.

Liz

Liz Blackburn
Chief of Staff
USEPA Office of Research and Development
202-564-2192
Cell **Personal Phone / Ex. 6**
Sent from my iPhone

Begin forwarded message:

> **From:** "Burke, Thomas" <Burke.Thomas@epa.gov>
> **Date:** November 29, 2015 at 1:18:45 PM EST
> **To:** "Adm13McCarthy, Gina" <Adm13McCarthy.Gina@epa.gov>, "Meiburg, Stan" <Meiburg.Stan@epa.gov>, "Fritz, Matthew" <Fritz.Matthew@epa.gov>, "Purchia, Liz" <Purchia.Liz@epa.gov>, "Vaught, Laura" <Vaught.Laura@epa.gov>, "Garbow, Avi" <Garbow.Avi@epa.gov>, "Beauvais, Joel" <Beauvais.Joel@epa.gov>, "Distefano, Nichole" <DiStefano.Nichole@epa.gov>, "McCabe, Janet" <McCabe.Janet@epa.gov>, "Rupp, Mark" <Rupp.Mark@epa.gov>, "Pieh, Luseni" <Pieh.Luseni@epa.gov>, "Scaggs, Ben" <Scaggs.Ben@epa.gov>, "Garvin, Shawn" <garvin.shawn@epa.gov>
> **Cc:** "Kadeli, Lek" <Kadeli.Lek@epa.gov>, "Kavlock, Robert" <Kavlock.Robert@epa.gov>, "Blackburn, Elizabeth" <Blackburn.Elizabeth@epa.gov>, "Deener, Kathleen" <Deener.Kathleen@epa.gov>, "Smith, Kelley" <Smith.Kelley@epa.gov>, "Hubbard, Carolyn" <Hubbard.Carolyn@epa.gov>, "Gibbons, Dayna" <Gibbons.Dayna@epa.gov>, "Kim, Hyon" <Kim.Hyon@epa.gov>
> **Subject: ORD/OSA Weekly Report November 30**

Administrator,

This week ORD/OSA will continue to work with programs and regions on a number of ongoing issues including Flint drinking water, Gold King impacts and future monitoring, the Bridgeton Landfill, and methyl mercury and fish consumption guidance. We are also working closely with CDC and others on addressing gaps in our understanding of potential exposures from tire crumb athletic fields.

This week I look forward to joining leadership from ECOS and ASTHO to discuss the intersection of public health and the environment at the National Associations Outreach meeting. This is an opportunity to bring the environmental and public health communities together, and a great follow-on to the recent APHA and ECOS meetings.

NSTC Committee on Science at the White House

On December 1st I will participate in the National Science and Technology Council Committee on Science meeting at the White House. The main topic on the agenda is to discuss committee priorities for the next year including research priorities and other science priorities that could benefit from cross-agency coordination.

Technical Support at Bridgeton Landfill

ORD continues to provide technical support to Region 7 regarding the subsurface smoldering event (SSE) at West Lake Superfund site and Bridgeton Landfill. ORD recently completed a report titled, "Analysis of Temperature, Gas Quality, and Settlement Trends at the Bridgeton Sanitary Landfill in 2014. The report presents an analysis of temperature trends in different areas of the landfill over time and summarizes a year of performance data at the site. It will help the Region understand the nature of the SSE and any hazards posed.

Minority Students Meeting at Howard University

On December 1st, Dr. Jim Johnson from ORD will attend the Howard University-EPA Steering committee quarterly partnership meeting. EPA has an MOU with Howard University, and the steering committee is actively looking for ways to expand our interactions. The meeting will focus on the following topics for minority students.

1. Internships and Volunteer Opportunities for Students (Including a for Credit Option)
2. Increasing Environmental Curriculum and Research Capacity
3. Professional Development Workshops for Students and Faculty Interested in Federal Opportunities

IRIS Assessment of Inorganic Arsenic

December 2-3, the National Academies' National Research Council (NRC) ad-hoc committee will meet to discuss the current status of the IRIS assessment of inorganic arsenic. In response to requests by Agency partners and stakeholders, as well as a Congressional mandate, the IRIS Program initiated the toxicological review on the human health effects of inorganic arsenic in September 2012. The NRC completed the first phase of the review in November 2013. In the second phase, the committee will review the draft IRIS assessment, and – as requested by Congress – will determine whether the IRIS assessment reflects the recommendations from a previous NRC report on formaldehyde.

OECD Validation Management Group for Non-Animal Chemical Testing

November 30 to December 5, ORD's Keith Houck will attend the 13th meeting of the OECD Validation Management Group for Non-Animal chemical testing in Budapest. Dr. Houck will discuss the progress of EPA's ToxCast project and

provide advice about incorporating chemical screening results from the ToxCast project into endocrine related projects in the group's workplan.

ORD Scientists Participate in European Symposium to Replace Animals in Systemic Toxicity Testing

This week ORD scientists will present at the SEURAT-1 Symposium in Brussels, Belgium entitled "Painting the future of animal-free safety assessment of chemical substances." SEURAT-1 is a 50 million Euro 5-year research programme, co-funded by the European Commission's Directorate General for Research and Innovation and Cosmetics Europe to with the goal of replacing animals in systemic toxicity testing.

Past EPA SBIR grant recipient funded on Shark Tank

I recently learned that a past EPA Small Business Innovation Research grant recipient, PittMoss, was funded by investors ($600K) on ABC's SharkTank<http://abc.go.com/shows/shark-tank/video/VDKA0_23kdalnl>. The company developed a fertilizer product called PittMoss, an alternative to peat moss. Using Pittmoss, which is made up of a mix of proprietary additives and recycled paper rescued from landfill space, will help to reduce the harvesting of peat moss and protect wetlands.

Tribal Science Council Fall Meeting

The Tribal Science Council will hold its fall meeting from December 1-3 in Washington, DC. The Council will discuss key topics including: 1) broadening tribal involvement in citizen science, 2) connecting with EPA labs and centers to strengthen science outreach to tribes; and 3) participating in a climate change roundtable with federal partners to identify gaps in science/research

implementation and ways tribes can use existing models to promote resiliency in the face of climate change.

In the Community

November 30: EPA will participate in an all-day STEM Career Program at East Wake High School in Raleigh, N.C.

December 2: ORD will lead the 2nd quarterly Business Advisory Council at the Southern School of Energy and Sustainability in Durham, N.C. The Council engages local business involvement at the school, particularly in the areas of Infrastructure Engineering, Computer Technology Engineering, Business Management and Sustainability, and Biomedical Technology.

December 2: ORD will participate in Leadership Triangle's Transforming Leaders graduation at UNC's Kenan-Flagler School of Business in Chapel Hill, N.C.

December 4: EPA-RTP is leading the 12th annual EPA Science Day at YE Smith Elementary School in Durham, N.C. The day brings together scientists from EPA and the community to teach students at this low-income school, about science and the environment through hands-on activities.

Publications

RARE Project Results on Chromium in Fractured Rock Published in Chemical Geology – ORD and R2 are co-authors of a paper that describes the results of an FY14 RARE project that identified a new method to measure hexavalent chromium Cr(VI) in the porewater of contaminated sedimentary bedrock cores from a Superfund site in New Jersey. The paper, "Determination of hexavalent chromium concentrations in matrix porewater from a contaminated

aquifer in fractured sedimentary bedrock," (Zhao, J., et al., (2015), is a collaborative effort among the University of New Brunswick, University of Guelph, Region 2, and ORD. Contamination of fractured sedimentary bedrock is a widespread problem throughout the United States and elsewhere, including a large number of sites in Region 2.

Two EPA reports developed by ORD, looking at the issue of vapor intrusion and how to monitor, measure, and mitigate its harmful effects, have just been released. (1)Assessment of Mitigation Systems on Vapor Intrusion: Temporal Trends, Attenuation Factors, and Contaminant Migration Routes under Mitigated and Non-mitigated Conditions (published in June) examines the efficiency of sub-slab depressurization systems to prevent and remove radon and volatile organic compounds from a residence. (2) Simple, Efficient, and Rapid Methods to Determine the Potential for Vapor Intrusion into the Home- Temporal Trends, Vapor Intrusion Forecasting, Sampling Strategies, and Contaminant Migration Routes (published in October) looks for simple ways to predict when vapor intrusion occurs into a residence so that selecting a good time to sample is possible.